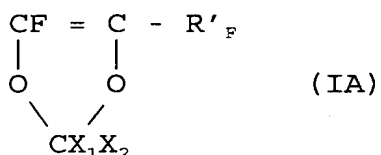




PERFLUORINATED POLYMERS

ABSTRACT

Amorphous perfluorinated homopolymers and copolymers of perfluorodioxoles of formula (IA):



wherein R'_{F} is equal to R_{F} or OR_{F} wherein R_{F} is a linear or branched perfluoroalkyl radical having 1-5 carbon atoms; X_1 and X_2 , equal to or different from each other, are F, CF_3 ; said polymers having a dioxole content $\geq 95\%$ by moles, having the following property combination:

- Tg , measured according to the ASTM 3418 (DSC) method, from 180°C to 195°C ;
- intrinsic viscosity, measured at the temperature of 30°C in perfluoroheptane (Galden® D80) according to the ASTM D 2857-87 method, from 13 cc/g to 100 cc/g.